

AMENDMENTS TO THE CLAIMS

1. (cancelled)

2. (cancelled)

3. (Previously presented) The structure of claim 5 further comprising an attic that is in air communication with the air flow passage.

4. (Previously presented) The structure of claim 5 further comprising a roof that is coupled to the external wall section to form an air seal therebetween.

5. (currently amended) A structure comprising:

at least one outer wall, said outer wall further comprising:

an un-insulated internal wall section and an insulated external wall section, said internal wall section and said external wall section defining an air flow passage therebetween, said air flow passage channeling a[n] conditioned air flow in-between and substantially parallel to said internal wall section and said external wall section; and

an air circulation system within the structure providing the conditioned air flow through the air flow passage to inhibit moisture on the internal wall section, wherein the air circulation system creates a positive air pressure in at least a portion of the structure to cause at least some of said airflow to flow through the air flow passage, and wherein the air circulation system comprises at least one of (i) a cooling element, (ii) a heating element, and (iii) a humidifier.

6. (cancelled)
7. (Previously presented) The structure of claim 5 wherein the at least one outer wall includes a plurality of such outer walls and a roof to form an enclosed structure.
8. (currently amended) The structure of claim 5 wherein the insulated external wall section ~~includes~~ comprises an insulating layer.
9. (Original) The structure of claim 8 wherein the external wall section further comprises:
- a weather-resistant layer outside of the insulating layer; and
 - a sheath inside of the insulating layer.
10. (Previously presented) The structure of claim 5 wherein the internal wall section includes a liquid barrier.
11. (Original) The structure of claim 10 wherein the internal wall section further comprises a wall framing system to provide structural support to the internal wall section.
12. (Original) The structure of claim 11 wherein the internal wall section further comprises a first sheathing between the liquid barrier and the wall framing system.
13. (currently amended) The structure of claim 12 wherein the internal wall section further ~~includes~~ comprises a second sheathing inside of the wall framing system.

14. (Previously presented) The structure of claim 5 further comprising at least one sensor providing a signal indicative of presence of moisture.
15. (Original) The structure of claim 14 wherein the at least one sensor is placed at one of (i) in the air flow passage; (ii) in an attic of the structure; (iii) adjacent to the air circulation system.
16. (Original) The structure of claim 14 further comprising a controller for controlling the air circulation system in response to the signal from the at least one sensor.
17. (Currently amended) An enclosed structure comprising:
at least one outer wall that includes
an un-insulated internal wall section and an insulated external wall section, said internal wall section and said external wall section defining an air flow passage therebetween said air flow passage channeling a[n] conditioned air flow in-between and substantially parallel to said internal wall section and said external wall section;
an air circulation system within the structure providing the conditioned air flow through the air flow passage to inhibit moisture on the internal wall section, wherein the air circulation system creates a positive air pressure in at least a portion of the structure to cause at least some of said air to flow through the air

flow passage, and wherein the air circulation system comprises at least one of (i) a cooling element, (ii) a heating element, and (iii) a humidifier;

at least one sensor for generating a signal indicative of moisture; and

a controller for controlling said circulation system in response to said signal from said at least one sensor to inhibit moisture on the internal wall section.

18. (Original) The enclosed structure of claim 17, wherein the at least one sensor comprises at least one relative humidity sensor located proximate to the air flow passage for indicating the relative humidity of the air flow in said air flow passage.
19. (Original) The enclosed structure of claim 17, wherein the controller includes at least one circuit to interface with said at least one sensor, and a processor, acting according to programmed instructions, to control the circulation system to provide a predetermined relative humidity of the air flow in said air flow passage.
20. (Currently amended) A method for inhibiting moisture accumulation in an outer wall of a structure, comprising:
- providing an outer wall having an un-insulated internal wall section and an insulated external wall section, said internal wall section and said external wall section forming an air flow passage thereinbetween, said air flow passage channeling a[n] conditioned air flow in-between and substantially parallel to said internal wall section and said external wall section; and
 - providing an air circulation system within the structure, said air circulation system supplying conditioned air at a positive pressure into the air flow passage to inhibit moisture accumulation on the internal wall section, and wherein the air

circulation system comprises at least one of (i) a cooling element, (ii) a heating element, and (iii) a humidifier.

21. (cancelled)

22. (cancelled)

23. (Original) The method of claim 20 further comprising determining relative humidity of the air inside the structure.

24. (Original) The method of claim 23 further comprising controlling supply of the air in response to the determined relative humidity.

25. (Original) The method of claim 23 further comprising controlling the air circulation system in accord to programmed instruction provided to a controller associated with the air circulation system.

26. (currently amended) A structure comprising:

at least one outer wall, said outer wall further comprising:

an un-insulated internal wall section and an insulated external wall section, said internal wall section and said external wall section defining an air flow passage_ therebetween, said air flow passage channeling a[n] conditioned air flow in-between and substantially parallel to said internal wall section and said external wall section; and

an air circulation system at least in part within the structure providing the conditioned air flow through the air flow passage to inhibit moisture on the internal wall section, wherein the air circulation system creates a positive air pressure in at least a portion of the structure to cause at least some of said

conditioned air to flow through the air flow passage , and wherein the air circulation system comprises at least one of (i) a cooling element, (ii) a heating element, and (iii) a humidifier.

27. (currently amended) A structure comprising:

at least one outer wall, said outer wall further comprising:

an un-insulated internal wall section and an insulated external wall section, said internal wall section and said external wall section defining an air flow passage _therebetween, said air flow passage channeling a[n] conditioned air flow in-between and substantially parallel to said internal wall section and said external wall section; and

an air circulation system outside the structure with an air conduit supplying conditioned air from the air circulation system to the structure for providing the airflow through the air flow passage to inhibit moisture on the internal wall section, wherein the air circulation system creates a positive air pressure in at least a portion of the structure to cause at least some of said conditioned air to flow through the air flow passage and wherein the air circulation system comprises at least one of (i) a cooling element, (ii) a heating element, and (iii) a humidifier.